STAFFING the GENERAL HOSPITAL 25 - 100 Beds



U.S. Department of
HEALTH, EDUCATION, and WELFARE
Public Health Service

STAFFING THE GENERAL HOSPITAL 1

25 to 100 Beds

TABLE OF CONTENTS

Introduction		2
Charts A-J	Charts showing number of persons by departments for general hospitals 25-400 beds	5
Chart K	Chart showing hours of nursing care per patient per day in general hospitals 25-400 Beds	15
Chart L	Chart showing per cent of nursing personnel assigned by shift of service	16
Tables I—A and I—B	A Staffing guide for hospitals of various sizes between 25 and 400 beds with a nursing staff on a 40-hour workweek schedule	17
Tables II—A ınd II—B	A staffing guide for hospitals of various sizes between 25 and 100 beds with a nursing staff on a 44-hour workweek schedule	19
Tables III—A and III—B	A staffing guide for hospitals of various sizes between 25 and 100 beds with a nursing staff on a 48-hour workweek schedule	21
Supplemental Remark	5	23
Cable IV	Data on hospitals and hospital personnel	28
Cables V, VI, and VII	Data on nursing personnel	29
Cable VIII	Data on nursing care and nursing service for a 24-hour period	32

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INTRODUCTION

How do you staff general hospitals up to 100 beds? This question is being asked by hospital and health authorities planning hospitals under the Hill-Eurton hospital construction program. Of the 4,539 general hospitals in the United States on January 1, 1948, 67% were hospitals of 100 beds or less. Of the first 340 new hospitals being built under the program, 85% are 100 beds or less.

To assist these new hospitals as well as existing facilities these staffing guides have been developed.

Many factors which influence the staffing of a hospital become apparent only after the hospital is in operation. Any guide on staffing must of necessity be based on data obtained from existing hospitals of like type and representing good present-day practice.

These staffing guides were developed from one-day data collected in twenty-two select hospitals of less than 100 beds in different parts of the United States.

To determine the number of persons required to staff the hospital, scatter diagrams were plotted for each department of the hospital. The size of the hospital (number of beds and bassinets) was plotted against the number of personnel and the straight line obtained by the method of least squares. To compute the number of nursing personnel, the nursing staff for one day was used and the number adjusted to provide the same daily coverage for a 40, 44 and 48-hour week. No adjustment was made in

¹M. F. Hall, Public Health Statistics, p. 231.

²Formula used to calculate nursing staff from 24-hour figures.

a. 24-hour figure \times 7/6 = number required for 48-hour week.

b. 24-hour figure \times 7/5.5 = number required for 44-hour week.

c. 24-hour figure x 7/5 = number required for 40-hour week.

the number of persons, other than nursing to provide for variance in workweek schedules. No provision was made for additional personnel to provide
coverage for vacations or other absences, since this number is dependent
upon local personnel policies and illness incidence among employees.³

The expected bed census, number of bassinets and the bassinet census for different size hospitals was determined on the basis of the following correlations: (1) Beds and bed census; (2) beds with bassinets; and (3) bassinets with bassinet census.

The staffing tables can be interpreted as follows: On the basis of the survey of the 22 hospitals, one may expect to find the following in a 25-bed hospital: (1) average bed census, 16; (2) number of bassinets, 11; (3) bassinet census, 5; and (4) a staff of 35 people (with the nursing personnel on a 40-hour workweek).

Those using these guides should be cognizant of other factors which may influence the staffing of a hospital, and carefully study and review their particular situation in relation to:

- (1) The size of the hospital building and grounds.
- (2) The plan and arrangement of the hospital.
- (3) The kind, amount, and distribution of supplies and equipment.

Formula to calculate the number of personnel to cover for lapsed time.

Number of lapsed weeks + number of weeks personnel work = number of additional personnel required.

Example: To determine the number of persons required to provide coverage for a staff of 25 persons when each person is off duty 4 weeks each year. (Two weeks annual vacation, 1 week sick leave, and 1 week holidays): 52 weeks = 1 year - 4 weeks lapsed time = 48 weeks each person works each year.

25 persons × 4 weeks lapsed time = 100 weeks to be covered each year.

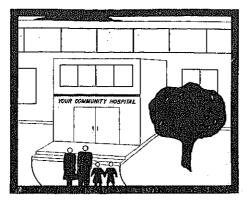
100 weeks + 48 weeks each person works = 2.09 persons required.

- (4) The diagnoses and degree of illness of the patients served.
- (5) The prevailing medical practice including kinds of treatments, medications, tests, and services required for the patients.
- (6) The kind and amount of care given the patients.
- (7) The number and type of surgical operations.
- (8) The schedule for operations.
- (9) The kinds and numbers of emergency, accident, or out-patients treated.
- (10) The segregation of patients.
- (11) The provision of separate personnel for various types of patients or departments.
- (12) The organization, supervision, and flexibility of the personnel.
- (13) The training and experience of the personnel.

Three guides, supplemental remarks, and statistical data based on the guides are presented:

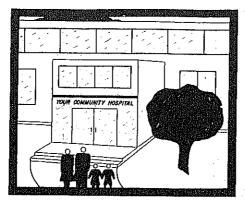
- (1) A staffing guide for hospitals of various sizes with a nursing staff on a 40-hour workweek.
- (2) A staffing guide for hospitals of various sizes with a nursing staff on a 44-hour workweek.
- (3) A staffing guide for hospitals of various sizes with a nursing staff on a 48-hour workweek.

STAFFING GUIDE FOR THE 25 BED GENERAL HOSPITAL



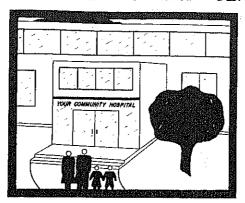
NURSING	STAFF OF	WORK 40 hours	WEEK OF	
ADMINISTRATION	Ä	/	/	. /
BUSINESS OFFICE 8 RECORDS		2	2	2
MEDICAL - SURGICAL SERVICE		1	1	1
NURSING		21	19	18
X - RAY	C THE	1	,	/
LABORATORY		1	1	1
DIETARY		4	4	4
HOUSEKEEPING	Ê	2	2	2
PLANT OPERATION		1	/	1
LAUNDRY		,	1	,

STAFFING GUIDE FOR THE 30 BED GENERAL HOSPITAL



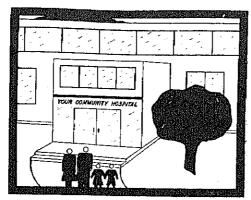
NURSIN	G STAFF C	ON WORK 40 hours	WEEK OF	- 48 hours
ADMINISTRATION	Ä	/	,	1
BUSINESS OFFICE RECORDS	L i	2	. 2	2
MEDICAL - SURGICAL SERVICE	Å	1	/	1
NURSING		24	22	20
X - RAY	The state of the s	/	/	/
LABORATORY		/	/	1
DIETARY		5	5	5
HOUSEKEEPING	Å	3	3	3
PLANT OPERATION		,	1	/
LAUNDRY		1		,

STAFFING GUIDE FOR THE 40 BED GENERAL HOSPITAL



NURSING	STAFF ON	WORK 40 hours	WEEK OF	- 48 hours
ADMINISTRATION		1:	/	,
BUSINESS OFFICE B RECORDS	F	3	3	3
MEDICAL - SURGICAL SERVICE	Â	1	/	,
NURSING		31	28	26
X - RAY		1	1	1
LABORATORY		1;	/	1
DIETARY		6	6	6
HOUSEKEEPING		4	4	. 4
PLANT OPERATION		2	2	2
LAUNDRY		2	2	2

STAFFING GUIDE FOR THE 50 BED GENERAL HOSPITAL

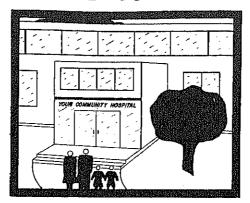


NUMBER OF PERSONS BY DEPARTMENT

NURSING	STAFF ON	WORK 40 hours	WEEK OF 44 hours	- 48 hours
ADMINISTRATION		1	/	1
BUSINESS OFFICE A RECORDS	Fi	4	4	4
MEDICAL - SURGICAL SERVIGE	Å	1	/	/
NURSING		36	33	30
X-RAY		1	/	,
LABORATORY		1	/	/
DIETARY		7	7	7
HOUSEKEEPING		5	5	5
PLANT OPERATION		2	2	2
LAUNDRY		3	3	3

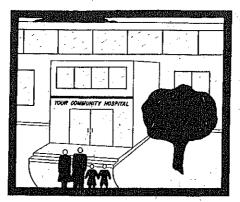
CHART "D"

STAFFING GUIDE FOR THE 60 BED GENERAL HOSPITAL



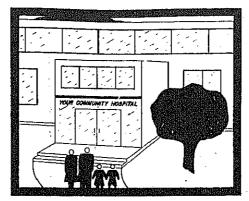
NURSING	G STAFF O	N WORK 40 hours	WEEK OF 44 hours	- 48 hours
ADMINISTRATION	Ä	1	/	,
BUSINESS OFFICE A REGORDS	S. A.	4	4	4
MEDICAL - SURGICAL SERVICE		1	1	1
NURSING		45	40	37
X-RAY		1	1	1
LABORATORY		2	2	2
DIETARY		8	8	8
HOUSEKEEPING	Ê	6	6	6
PLANT OPERATION		2	2	2
LAUNDRY		4	4	4

STAFFING GUIDE FOR THE 70 BED GENERAL HOSPITAL



NURSING	STAFF ON	WORK 1	WEEK OF 44 hours	- 48 hours
ADMINISTRATION	Ä	7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	/	, , / ,
BUSINESS OFFICE A RECORDS		5	5	5
MEDICAL - SURGICAL SERVICE	À	1	1	1
NURSING		50	46	42
X - RAY		1	,	
LABORATORY		2	2	2
DIETARY		9	9	9
HOUSEKEEPING	Ŷ	7	7	, 7
PLANT OPERATION		2	2	2
LAUNDRY		4	4	4

STAFFING GUIDE FOR THE 75 BED GENERAL HOSPITAL

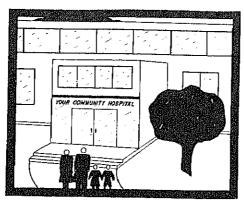


NUMBER OF PERSONS BY DEPARTMENT

NUR	RSING	STAFF ON	WORK W	VEEK OF 44 hours	 48 hours
ADMINISTRATION		Ä	1	1	1
BUSINESS OFFICE A RECORDS			6	6	6
MEDICAL - SURGICAL SERVICE			1	1	. · / ·
NURSING	:		56	5/	47
X - RAY			2	2	2
LABORATORY			2	2	2
DIETARY			10	10	10
HOUSEKEEPING	,		8	8	8
PLANT OPERATION	•	٥٠	3	3	3
LAUNDRY			5	5	5

CHART "G"

TAFFING GUIDE FOR THE 80 BED GENERAL HOSPITAL

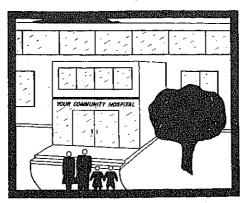


NUMBER OF PERSONS BY DEPARTMENT

ADMINISTRATION BUSINESS OFFICE RECORDS MEDICAL - SURGICAL SERVICE I I I I NURSING 577 52 48 X - RAY 2 2 2 LABORATORY DIETARY I O 10 10 HOUSEKEEPING PLANT OPERATION A 3 3 LAUNDRY 1 I I I I I I I I I I I I I I	NURSING	STAFF (ON WORK 40 hours	WEEK OF	- 48 hours
RECORDS 6 6 6 MEDICAL - SURGICAL SERVICE 1 1 1 NURSING 57 52 48 X-RAY 2 2 2 LABORATORY 2 2 2 DIETARY 10 10 10 HOUSEKEEPING 9 9 9 PLANT OPERATION 3 3 3	ADMINISTRATION		/	1	. /
NURSING 57 52 48 X-RAY 2 2 2 LABORATORY 2 2 2 DIETARY 10 10 10 HOUSEKEEPING 9 9 9 PLANT OPERATION 3 3 3	A	Can	6	6	6
X-RAY 2 2 2 LABORATORY 2 2 2 DIETARY 10 10 10 HOUSEKEEPING 9 9 9 PLANT OPERATION 3 3 3	MEDICAL - SURGIGAL SERVICE	À	,	/	/
LABORATORY 2 2 2 DIETARY 10 10 10 HOUSEKEEPING 9 9 9 PLANT OPERATION 3 3 3	NURSING		57	52	48
DIETARY 10 10 10 HOUSEKEEPING 9 9 9 PLANT OPERATION A 3 3	X - RAY		2	2	2
HOUSEKEEPING 9 9 9 PLANT OPERATION A 3 3 3	LABORATORY		2	2	2
PLANT OPERATION 3 3 3	DIETARY		10	10	10
e A	HOUSEKEEPING		9	9	9
LAUNDRY 5 5 5	PLANT OPERATION		3	3	3
	LAUNDRY		5	5	5

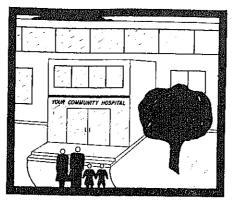
CHART "H"

STAFFING GUIDE FOR THE 90 BED GENERAL HOSPITAL



NURSING	STAFF ON	WORK 1	WEEK OF 44 hours	- 48 hours
ADMINISTRATION		1	/	/
BUSINESS OFFICE A RECORDS	9€.å	6	6	6
MEDICAL - SURGICAL SERVICE		/	1	1
NURSING		63	57	53
X - RAY		2	2	2
LABORATORY		2	2	2
DIETARY		11 0	//	//
HOUSEKEEPING		10	10	10
PLANT OPERATION		3	3	3
LAUNDRY		6	6	6

STAFFING GUIDE FOR THE 100 BED GENERAL HOSPITAL

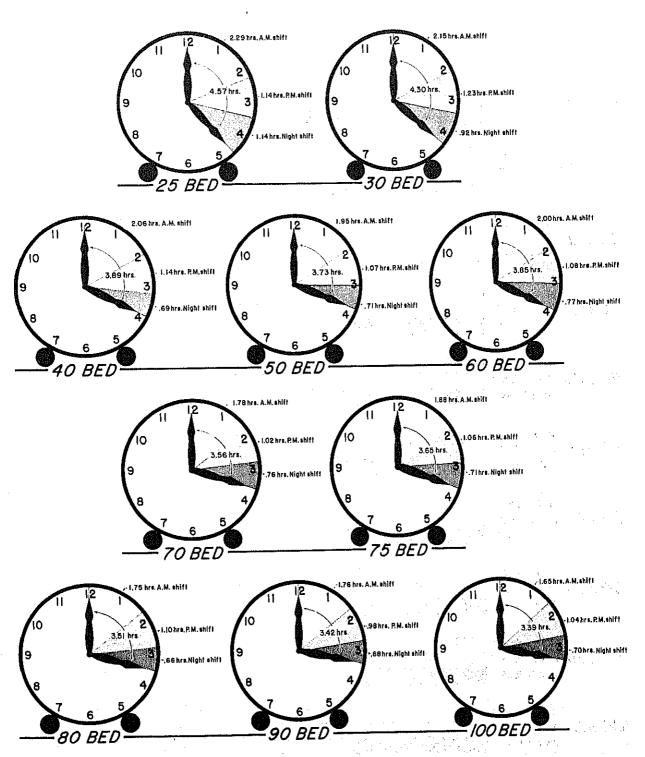


NUMBER OF PERSONS BY DEPARTMENT

NURSING	STAFF (ON WORK 40 hours	WEEK OF	- 48 hours
ADMINISTRATION		1	1	/
BUSINESS OFFICE RECORDS		7	7	7
MEDICAL - SURGICAL SERVICE		1	1	7. Jan
NURSING		70	64	58
X-RAY		2	2	2
LABORATORY		3	3	* * 3 * * * * *
DIETARY		12	12	12
HOUSEKEEPING	*	//	//	× 11
PLANT OPERATION		3	3	3
LAUNDRY		6	6	6

CHART "J"

HOURS OF NURSING CARE PER PATIENT PER DAY IN GENERAL HOSPITALS



PERCENT OF NURSING PERSONNEL ASSIGNED BY SHIFT OF SERVICE

- BY SIZE OF HOSPITAL -

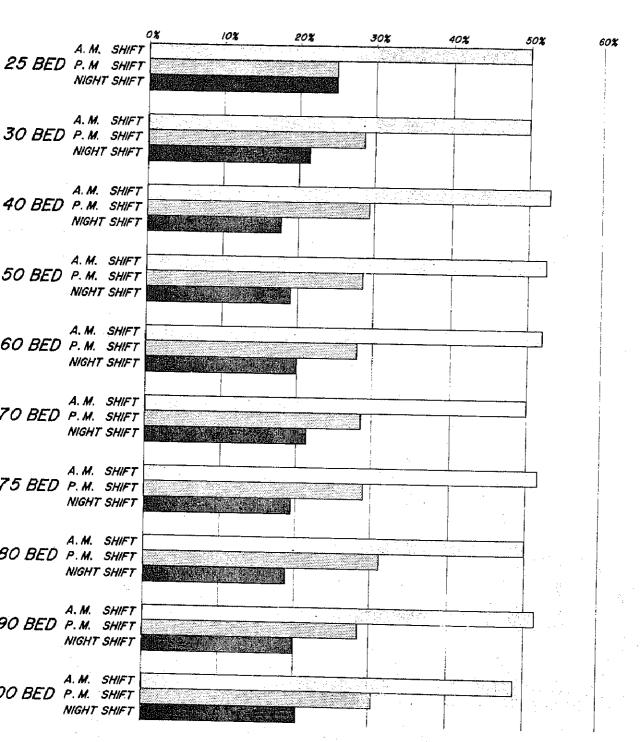


TABLE 1.A

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 40-HOUR WORKWEEK SCHEDULE

SUMMARY OF PERSONS REQUIRED BY SIZE OF HOSPITAL

HOSPITAL SIZES										
No. BEDS	25	30	40	50	60	70	75	80	90	100
NO. PATIENTS 1	16	20	28	36	44	52	56	60	68	76
NO. BASSINETS	11	12	13	15	17	19	20	21	22	24
NO. NEWBORN ¹	5	6	7	9	10	11	12	13	14	16
PERSONNEL DESIGNATION	-				м	· · · · · · · · · · · · · · · · · · ·		 		
TOTAL.	35	40	52	61	74	82	94	96	105	116
1. ADMINISTRATION	1	1	1	1	1	1	1	<u> 1</u>		1
2. BUSINESS OFFICE & RECORDS	2	2	3	4	4	5	66_	6	6	7
3. MEDICAL SURGICAL SERVICE 2	1	1	1	1	1	1	1	1	1	1
4. NURSING	21	24	31	36	45	50	56	57	63	70
5. X-RAY	1	1		1	1	1	2	2	2	2
6. LABORATORY		1	1	1	2	2	2.	2	2	3
7. DIETARY	4	5	6	7	. 8	9	10	10	11	12
8. HOUSEKEEPING	2	3	4.	5	6	7	8	9	10	· 11
9. PLANT OPERATION	1	1	2	2	2	2	3	3	3	3
10. LAUNDRY ³	11	i	2	3	4	4	5	5	6	6

 $^{^{1}}$ Number of bassinets and number of patients based on 22 hospitals studied.

²ANESTHETIST AS REQUIRED BY LOCAL MEDICAL PRACTICE.

³DILETE WHEN HOSPITAL WILL NOT OPERATE A LAUNDRY,

TABLE I.B

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 40-HOUR WORKWEEK SCHEDULE

NUMBER OF PERSONS BY TYPE REQUIRED BY SIZE OF HOSPITAL

HOSPITAL SIZES										
No. Beds	25	30_	40	50	60	70	75	80	90	100
NO. PATIENTS	16	20	28	36	44	52	56	60	68	76
No. Bassinets	11	12	13	15	17	19	20	21	22	2.4
No. Newborn 1	5	66	7	9	10		12	13	14	16
PERSONNEL DESIGNATION										
TOTAL	35	40	52	61	74	82	94	96	105	116
1 ADMINISTRATION								····		
ADMINISTRATOR	111	1	1	<u> </u>		1	1		1	<u></u> 1
2. BUSINESS OFFICE AND RECORDS										
ACC'TANTS & BOOKKEEPERS	1	1	1	11	1	1	11	1	j	2
CLERKS · CASH ERS · STENOS .	1	1	i	2	2	3	3	3	3	3
RECORD LIBRARIAN	0	0	1	1	1	1	2	2	2	2
3. MEDICAL SURGICAL SERVICE										
ANESTHETIST ²	1	1	1	111		1	1	1	1	1
4. NURSING										
GRADUATE NURSES:										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ADMIN SUPV HEAD NRS.	1	1	2	2	3	4	4	4	5	5
BEDSIDE CARE	9	1.1	13	16	19	21	2.4	2.4	27	30
NON BEDSIDE UNITS	1	. 1	2	2	3	3	3	3	3	4
NURSE AIDES OF PRACTICAL										
Nurses:										
BEDSIDE CARE	9	9	12	13	17	19	20	21	22	25
NON-BEDSIDE UNITS	1.	1	1	1	1	1	2	2	2.	2
ORDERLIES:										
BEDSIDE CARE AND										
NON-BEDSIDE UNITS	0	1		2	2	5	3	3	4	1
5. X-RAY										
TECHNICIANS & HELPERS	. 1	1	1	11	1	1	2	2	2	2
6 LABORATORY										
TECHNICIANS & HELPERS	1	1	1	1	2	2	2.	2	2	3
7. DIETARY						***************************************		·····		
DIETICIANS & ASST. DIET.	0	0	0		1	î	i	1	1	1
COOKS AND BAKERS	2	2	2	2	2	2	2	2	2	3
WAITERS AND HELPERS	2.	3	4	4	5	6	7	7	8	8
8. HOUSEKEEPING						······································	······································			***************************************
HOUSEKEEPERS	1	1	1	1	1	1				
MAIDS & HELPERS	1	 1	2	3	4		1	<u> </u>	1	<u> </u>
PORTERS & JANITORS	0	1	<u>-</u>	<u>3</u>	1	<u>5</u> 1	<u>5</u> 2	<u>6</u> 2	2	2
9. PLANT OPERATION	·····	<u>'</u>	· ·							
ENGR. MAINTENANCE MEN	1		2	2	2	2	2		3	·
10. LAUNDRY ³							2	3		3
SUPV. & ASSTS.	1	1	2	3						
	<u> </u>			3	4	4	5	5	6	6

NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED.

²As REQUIRED BY LOCAL MEDICAL PRACTICE.

³ DELETE WHEN HOSPITAL WILL NOT OPERATE A LAUNDRY.

TABLE II-A

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 44-HOUR WORKWEEK SCHEDULE

SUMMARY OF PERSONS REQUIRED BY SIZE OF HOSPITAL

HOSPITAL SIZES										
NO. BEDS	25	30	40	50	60	70	75	80	90	100
NO. PATIENTS	16	20	2.8	36	44	52	56	60	68	76
NO. BASSINETS	11	12	. 13	15	17	19	20	21	22	24
NO. NEWBORN ¹	5	6	7	9	10	11	12	13	14	16
PERSONNEL DESIGNATION	· · · · · · · · · · · · · · · · · · ·						···			
TOTAL	33	38	49	58	69	78	89	91	99	110
i. ADMINISTRATION	. 1	1	1	1	11	1	1	1	1.	1
2. BUSINESS OFFICE & RECORDS	2	2	3	4	4	5	6	6	6	7
3. MEDICAL·SURGICAL SERVICE ²	1	11	1		1	1	1	1	1	1
4. NURSING	19	22	28	33	40	46	51	52	57	64
5. X-RAY	1	1	1	1		11	2	2	2	2
6. LABORATORY	1	1	1	1	2	2	2	22	2	3_
7. DIETARY	4	5	6	7	8	9	10	10	11	12
8 HOUSEKEEPING	2	3	4	5	66	7	8	9	10	11
9. PLANT OPERATION	1	1	2	2	2	2	3	3	3	3
10. LAUNDRY ³	1	11	2	3	4	44	5	5	6	6

¹NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED.

ANESTHETIST AS REQUIRED BY LOCAL MEDICAL PRACTICE.

³DELETE WHEN HOSPITAL WILL NOT OPERATE A LAUNDRY.

TABLE | | -B

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 44+HOUR WORKWEEK SCHEDULE

NUMBER OF PERSONS BY TYPE REQUIRED BY SIZE OF HOSPITAL

NO. BEDS	25	30	40	50	60	70	7 5	80	90	100
NO. PATIENTS!	16	20	28	36	44	52	56	60	68	76
NO. BASSINETS	11	12	13	15	17	. 19	20	21	22	24
NO. NEWBORN 1	5	6	7	9	10	11	12	13	14	16
PERSONNEL DESIGNATION										
TOTAL	33	38	49	58	69	78	89	91	99	110
1. ADMINISTRATION					····					
ADMINISTRATOR	1	ı	1	1	1	1	!	1	. 1	1
2. BUSINESS OFFICE & RECORDS										
ACC'TANTS & BOOKKEEPERS	1	1	1	1	1	1	1	1	1	2
CLERKS-CASHIERS-STENOS.	1	111	. 1	2	2	3	3	3	3	3
RECORD LIBRARIAN	0	0	1	1	1	1	2	2	2	2
3. MEDICAL-SURGICAL SERVICE										
ANESTHETIST ²	1	1	1	1	1	1	1		1	1
4. NURSING										
GRADUATE NURSES:									******************	
ADMIN. SUPV. HEAD NURSES	1	. 1	2	2	3	4	4	4	5	5
BEDSIDE CARE	8	10	12	14	17	19	21	22	2.4	27
NON-BEDSIDE UNITS		1	2	2	3	3	3	3	3	4
NURSES AIDES OR PRACTICAL									•	
Nurses:										
BEDSIDE CARE	В	8	10	13	14	17	18	18	19	22
NON-BEDSIDE UNITS	1	11	. 1	1	1	1	2	2	2	2
ORDERLIES:										
BEDSIDE CARE AND NON-										
BEDSIDE UNITS	0	1	1	1	2	2	3	3	4	4
5. X·RAY	_									
TECHNICIANS & HELPERS	1	i	1	1	1		2	2	2	2
6. LABORATORY										
TECHNICIANS & HELPERS	ı	1	1	1	2	2	2	2	2	3
7 - DIETARY			,							
DIETICIANS & ASST. DIET.	0	0	0	1	1	1	1	1	1	1
COOKS AND BAKERS	2	2	2	2	2	2	2	2	2	3
WAITERS & HELPERS	2	3	4	4	5	6	7	7	8	8
8. HOUSEKEEPING								-		
HOUSEKEEPERS	1	1	1	1	1	1	1	t	1	1
MAIDS & HELPERS	1	1	2	3	4	5	5	6	 7	8
PORTERS & JANITORS	0	1	1		1	1	2	2	2	2
9. PLANT OPERATION										
ENGR MAINTENANCE MEN	1	1	2	2	2	2	3	3	3	3
O. LAUNDRY ³										
SUPY. & ASSTS	1	1	2	3	4	4	5	Ę	6	6
•						*******				

NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED.

HOSPITAL SIZES

²AS REQUIRED BY LOCAL MEDICAL PRACTICE.

³DELETE WHEN HOSPITAL WILL NOT OPERATE A LAUNDRY.

TABLE III.A

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 48-HOUR WORKWEEK SCHEDULE

SUMMARY OF PERSONS REQUIRED BY SIZE OF HOSPITAL

25	30			60	70				100
16	20	28	36	44	52	56	60		76
11	12	13	15	17	19	20	21	2.2	24
5	6		9	10	11	12	13	14	16
									·
32	36	47	55	66	74	85	87	95	104
1	11	1	1	1	1	1	1	. 1	<u> </u>
_2	2	3	44	4	5	6	6	6	7
1	1	<u> </u>	1	<u> </u>	1	1	1	1	1
18	20	26_	30	37	42	47	48	53	58
ſ.	1	1	1	1	1	2	2	S	2
1	1	1	1	2	2	2	2	2	3
4	5	6	7	8	9	10	10	11	12
2	3	4	5	6	7	8	9	10	11
1	1	2	2	2	2	3_	3	3	3
									6
	11 5 32 1 2 1 18 1	16 20 11 12 5 6 32 36 1 1 2 2 1 1 18 20 1 1 4 5	16 20 28 11 12 13 5 6 7 32 36 47 1 1 1 2 2 3 1 1 1 18 20 26 1 1 1 1 1 4 5 6 2 3 4	16 20 28 36 11 12 13 15 5 6 7 9 32 36 47 55 1 1 1 1 1 1 1 1 1 1 1 1	16 20 28 36 44 11 12 13 15 17 5 6 7 9 10 32 36 47 55 66 1 1 1 1 1 2 2 3 4 4 1 1 1 1 1 18 20 26 30 37 1 1 1 1 2 4 5 6 7 8 2 3 4 5 6	16 20 28 36 44 52 11 12 13 15 17 19 5 6 7 9 10 11 32 36 47 55 66 74 1 1 1 1 1 1 2 2 3 4 4 5 1 1 1 1 1 1 18 20 26 30 37 42 1 1 1 1 1 1 1 1 1 1 2 2 4 5 6 7 8 9 2 3 4 5 6 7	16 20 28 36 44 52 56 11 12 13 15 17 19 20 5 6 7 9 10 11 12 32 36 47 55 66 74 85 1 1 1 1 1 1 2 2 3 4 4 5 6 1 1 1 1 1 1 18 20 26 30 37 42 47 1 1 1 1 2 2 4 5 6 7 8 9 10 2 3 4 5 6 7 8	16 20 28 36 44 52 56 60 11 12 13 15 17 19 20 21 5 6 7 9 10 11 12 13 32 36 47 55 66 74 85 87 1 1 1 1 1 1 1 1 1 1 1 1 1	16 20 28 36 44 52 56 60 68 11 12 13 15 17 19 20 21 22 5 6 7 9 10 11 12 13 14 32 36 47 55 66 74 85 87 95 1 1 1 1 1 1 1 1 2 2 3 4 4 5 6 6 6 1 1 1 1 1 1 1 1 1 18 20 26 30 37 42 47 48 53 1 1 1 1 1 2 2 2 4 5 6 7 8 9 10 10 11 2 3 4 5 6 7 8 9 10

¹NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED.

² ANESTHETIST AS REQUIRED BY LOCAL MEDICAL PRACTICE.

³DELETE WHEN HOSPITAL WILL NOT OPERATE A LAUNDRY.

TABLE | | | -B

A STAFFING GUIDE FOR HOSPITALS OF VARIOUS SIZES BETWEEN 25 AND 100 BEDS WITH A NURSING STAFF ON A 48-HOUR WORKWEEK SCHEDULE

NUMBER OF PERSONS BY TYPE REQUIRED BY SIZE OF HOSPITAL

L SIZES

L J1123										
EDS	2 5	30	40	50	60	70	75	80	90	1,0
ATIENTS 1	16	2.0	28	36	44	52	56	60	68	76
ASSINETS	1.1	12	13	15	17	19	20	21	22	24
EWBORN 1	5	6	7	9	10	11	12	13	14	16
EL DESIGNATION										
	32	36	47	55	66	74	85	87	95	104
INISTRATION										
MINISTRATOR	1	í	1	, !	1	1	1	1	1	1
INESS OFFICE & RECORDS										
C'TANTS & BOOKKEEPERS	1	1	1	í	í	1	1	1	1	2
ERKS-CASHIERS-STENOS.	1	1	i	2	2	3	3	3	3	3
CORD LIBRARIAN	0	0	1	1	1	1	2	2	2	2
CAL-SURGICAL SERVICE									-	
STHETIST ²	1	1	1		í	1	1	1	1	1
SING	-									
ADUATE NURSES;				··				•••		
ADMIN SUPV HEAD NURSES	1	1	2	2	3	4	4	4	5	5
BEDSIDE CARE	8	9	11	13	15	17	19	20	22	2.4
ION-BEDSIDE UNITS	1	1	2	2	3	3	3	3	3	4
ISES AIDES OR PRACTICAL										
ISES :						-				
BEDSIDE CARE	7	7_	_ 9	11	13	15	16	16	17	19
ION - BEOSIDE UNITS	1	i	1	1	1	· 1	2	2	2	2
ERLIES:										
SEDSIDE CARE AND NON-	٠.						•		•	•
EDSIDE UNITS	0	11	1	1	2	2	3	3	4	4
Υ				•						
HNICIANS & HELPERS	1	1	1	1	. 1	1	2	2	2	. 2
RATORY										
HNICIANS & HELPERS	1	1	1	<u>i</u>	2	2	2	2	2	3
ARY									····· ·	
TICIANS & ASST. DIET.	0	0	0	1	1	· I	1		1	1
KS AND BAKERS	2	2	2	2	2	2	<u>'</u>	2	<u>'</u>	3
TERS AND HELPERS	2	. 3	4	4	5	6	7	7	8	8
EXEEPING										
SEKEÉPERS	1	1	. 1	1	1	1	1	1	1	í
DS & HELPERS	1	1	2	3	4	5	5	6	7	8
TERS & JANITORS	0	í	1	1	1	1	2	2		2
T OPERATION									·····	
R MAINTENANCE MEN	1 .	i	2.	2	2	2	3	3	3	3
DRY ³									<u> </u>	<u>.</u>
v. & Assts.	ſ.	i	2	3	4	4	5	5	6	
						4.	J	٠,٠	0	6

ER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED. EQUIRED BY LOCAL MEDICAL PRACTICE.

TE WHEN ROSPITAL WILL NOT OPERATE A LAUNDRY.

SUPPLEMENTAL REMARKS

1. Administration

The selection of a well-qualified person as hospital administrator is of paramount importance to the hospital. The administrator is concerned with both the business and professional aspects of the hospital. Whatever the background of the person selected for this position, he or she should possess broad administrative qualifications and training. He will need and must be given an adequate and competent staff. Nurse administrators predominate in hospitals of less than fifty beds, but when a non-nurse administrator is engaged he usually administers the business aspects of the hospital, and the director of nurses works closely with him and the medical staff in the supervision and regulation of the professional activities of the hospital.

2. Business Office and Records

No provision was made for a record-librarian in hospitals of less than forty beds since the record-librarian functions would probably be combined with other stenographic and clerical duties. The administrator often performs some of the duties in the business office.

Small hospitals sometimes employ an accountant on a part-time basis to supervise the accounting functions.

3. Medical-Surgical Service

The employment of anesthetists is dependent upon local medical practice and the number of surgical operations performed.

Interns and residents are usually not appointed to hospitals of less than 100 beds, except as affiliates of larger hospitals.

In selecting the staff for the nursing department a capable director of nurses, an operating room supervisor and an obstetrical supervisor are essential.

The nursing personnel recommended are classified into three groups:

- (1) Administration, supervision, and head nurses (includes the director of nurses, her assistants, and the head nurses and supervisors of the in-patient units). In hospitals of less than forty beds the director of nurses would probably perform some of the functions of the head nurse or supervisor of the in-patient units. Because the head nurse in the small hospital usually performs some bedside nursing care in addition to her supervisory duties, the number of supervisory nurses recommended is equivalent to full-time persons, i.e., one person recommended for supervision may actually be two nurses dividing their time between bedside care and supervision.
- (2) Non-bedside Unit Personnel (includes the supervisors and other nursing personnel for the operating room and the central supply room). The number recommended is minimal and will require adjustment in accordance with the number and kinds of surgical operations performed and the extent of service rendered in the central supply room. When only one graduate nurse is provided for the operating room an additional nurse would be required from the nursing staff of the other hospital units at the time surgical operations were being performed. Many of the routine

functions in these units can be performed by nonprofessional personnel, i.e., nurse-aides or orderlies under the supervision of a graduate nurse.

No provision was made for full-time personnel for the out-patient or emergency service, since only one hospital visited furnished out-patient service to the extent that a full-time out-patient staff was required.

(3) Bedside Care Personnel (includes all nursing personnel, exclusive of the supervisors or the head-nurses, for the in-patient units). To provide a minimum coverage of graduate nurses for 24-hour service, as determined by the study, at least 50 percent of the bedside nursing staff should be graduate nurses. The orderlies provided are intended to be men to perform nursing duties rather than housekeeping functions. The number of orderlies is shown in full-time equivalents. When two men divide their time between housekeeping and nursing it is indicated as one orderly and one porter.

The number of nursing personnel provided does not include persons for housekeeping duties on in-patient and non-bedside units, since housekeeping functions should be performed by the housekeeping persons provided.

5-6. X-ray - Laboratory

Personnel in Laboratory and X-ray departments often interchange between the two departments. In the small hospital, two persons engaged for the laboratory and X-ray may be one qualified technician and an assistant to perform the routine duties not requiring a qualified technician.

7. Dietary

Although the dietician is only included in hospitals with more than forty beds, it is advisable, when possible, to provide a dietician

for all hospitals. When small hospitals are not too widely separated, one dietician is sometimes shared by several hospitals. In some of the States the services of a consultant dietician or nutritionist is available to hospitals through the State Board of Health.

Housekeeping

In the small hospital the housekeeper must of necessity perform some routine housekeeping functions. Nevertheless, it is important to select a person for this position who is familiar with the principles of good housekeeping, and who has the ability to organize and supervise the housekeeping of the hospital in addition to performing some routine tasks.

Where no porter is provided, the duties of this position would probably be delegated to one of the men assigned to plant operation.

Plant Operation

When the only men employed by a hospital are assigned to the plant operation department, they usually perform many duties throughout the hospital requiring the services of a man.

Additional maintenance personnel may be required during the summer months to care for the hospital grounds.

Laundry

Whether it is advisable for a small hospital to operate a laundry is debatable.

The personnel recommended for the laundry are intended for hospitals with laundries equipped to provide complete laundry service.

Because the number recommended is minimal, it may be necessary to engage

an additional part-time person or furnish assistance as needed from the housekeeping department.

In small hospitals where linens are sent to a commercial laundry, provision is often made within the hospital for the laundering of infant clothing or special articles by some member of the house-keeping staff.

Additional Personnel Not Included in Guides

1. Pharmacist

It is recommended that the services of a pharmacist on a consultative or part-time basis be utilized in hospitals of less than 100 beds.

2. Physical Therapist

The inclusion of a physical therapist on the hospital staff would depend on local medical practice.

3. Clerical Personnel

Additional clerical employees are suggested in various sections of the hospital to relieve the professional personnel of routine clerical duties.

4. Out-Patient Personnel

Additional nursing and clerical personnel would be required in hospitals operating a full-time out-patient service.

TABLE IV DATA ON HOSPITALS AND HOSPITAL PERSONNEL

BASED ON TABLES I.A. II.A. III.A

25	30	40	50	60	70	75	80	90	100
16	20	28	36	44	52	56	60	68	76
11	12	13	15	17	19	20	21	22	24
5	6	7	9	10	11	12	13	14	16
						•			
64	67	70	72	73	74	75	7.5	76	76
45	50	54	60	59	58	60	62	64	67
35	40	52	61	74	82	94	96	105	116
171	1 75	177	1 82	1 81	1 85	1 80	1B3	1 86	1 86
1•1.03	1-1.05	1-1.02	1-1.07	1-1.04	1.1.09	1-1.01	1-1.05	1 - 1 . 07	1-1.07
•							**		**************************************
1 46	1 50	1 • - 54	1 59	1 59	163	1- 60	1 - 63	1 - 65	1 • . 66
									
160	165	1 67	1 7 4	173	1 • . 77	172	1 • . 76	178	179
							<u> </u>		
33	38	49	58	69	78	89	91	99	110
		****					******	· · · · · · · · ·	
1 76	1 79	1 • . 82	1 86	1 87	190	184	1 88	191	191
								·	
1-1.09	1-1.11	1-1.08	1-1.12	1-1.12	1-1.14	1-1.07	1-1.11	1-1.13	1 • 1 . 13
									·····
1 • . 48	1 • • 53	1 57	1 62	164	1 67	1 63	1 • . 66	169	169
							······································		
1 64									
	1 68	171	178	1 • • 78	1 81	1 76	180	183	1 - 84
	1 - 68	171	178	1 · . 78	1 81	1 • • 76	1 80	183	184
	1 . 68	171	178	1 • • 78	1 • . 81	1 • • 76	180	183	184
32	36	47	178	66	74	1 · · 76	1 80		
								183 95	104
							87	95	104
32	36	47	55	66	74	85			
32	36	47	55 191	66	74	85 188	87	95 195	10.4
32	36	47 1 · . 85	55 191	66	74	85	87 192	95	104
32	36	47 1 · . 85	55 191	66	74	85 188 1-1.12	87 192	95 195	104
32 178 1-1.13	36 1 • . 83	47 1 · · · 85	55 191 1-1.18	66	74 195	85 188	87 192	95 195	10.4
	16 11 5 64 45 35 171 1-1.03 146 160	16 20 11 12 5 6 64 67 45 50 35 40 171 175 1.1.03 1.1.05 146 150 160 165 33 38 176 179 1.1.09 1.1.11 148 153	16 20 28 11 12 13 5 6 7 64 67 70 45 50 54 35 40 52 171 175 177 1-1.03 1-1.05 1-1.02 146 150 154 160 165 167 33 38 49 176 179 182 1-1.09 1-1.11 1-1.08 148 153 157	16 20 28 36 11 12 13 15 5 6 7 9 64 67 70 72 45 50 54 60 35 40 52 61 171 175 177 182 1-1.03 1-1.05 1-1.02 1-1.07 146 150 154 159 160 165 167 174 33 38 49 58 176 179 182 186 1-1.09 1-1.11 1-1.08 1-1.12	16 20 28 36 44 11 12 13 15 17 5 6 7 9 10 64 67 70 72 73 45 50 54 60 59 35 40 52 61 74 171 175 177 182 181 1-1.03 1-1.05 1-1.02 1-1.07 1-1.04 146 150 154 159 159 160 165 167 174 173 33 38 49 58 69 176 179 182 186 187 1-1.09 1-1.11 1-1.08 1-1.12 1-1.12	16 20 28 36 44 52 11 12 13 15 17 19 5 6 7 9 10 11 64 67 70 72 73 74 45 50 54 60 59 58 35 40 52 61 74 82 171 175 177 182 181 185 1-1.03 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 146 150 154 159 159 163 160 165 167 174 173 177 33 38 49 58 69 78 176 179 182 186 187 190 1-1.09 1-1.11 1-1.08 1-1.12 1-1.12 1-1.14	16 20 28 36 44 52 56 11 12 13 15 17 19 20 5 6 7 9 10 11 12 64 67 70 72 73 74 75 45 50 54 60 59 58 60 35 40 52 61 74 82 94 171 175 177 182 181 185 180 1-1.03 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 1-1.01 146 150 154 159 159 163 160 160 165 167 174 173 177 172 33 38 49 58 69 78 89 176 179 182 186 187 190 184 1-1.09 1-1.11 1-1.08 1-1.12 1-1.12 1-1.14 1-1.07 </td <td>16 20 28 36 44 52 56 60 11 12 13 15 17 19 20 21 5 6 7 9 10 11 12 13 64 67 70 72 73 74 75 75 45 50 54 60 59 58 60 62 35 40 52 61 74 82 94 96 171 175 177 182 181 185 180 183 1-1.03 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 1-1.01 1-1.05 146 150 154 159 159 163 160 163 160 165 167 174 173 177 172 176 33 38 49 58 69 78 89 91 176 179 182 186 187 190</td> <td>16 20 28 36 44 52 56 60 68 11 12 13 15 17 19 20 21 22 5 6 7 9 10 11 12 13 14 64 67 70 72 73 74 75 75 76 45 50 54 60 59 58 60 62 64 35 40 52 61 74 82 94 96 105 171 175 177 182 181 185 180 183 186 1103 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 1-1.01 1-1.05 1-1.07 146 150 154 159 159 163 160 163 178 33 38 49 58 69 78 89 91 99 176 179 182 186 187 190</td>	16 20 28 36 44 52 56 60 11 12 13 15 17 19 20 21 5 6 7 9 10 11 12 13 64 67 70 72 73 74 75 75 45 50 54 60 59 58 60 62 35 40 52 61 74 82 94 96 171 175 177 182 181 185 180 183 1-1.03 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 1-1.01 1-1.05 146 150 154 159 159 163 160 163 160 165 167 174 173 177 172 176 33 38 49 58 69 78 89 91 176 179 182 186 187 190	16 20 28 36 44 52 56 60 68 11 12 13 15 17 19 20 21 22 5 6 7 9 10 11 12 13 14 64 67 70 72 73 74 75 75 76 45 50 54 60 59 58 60 62 64 35 40 52 61 74 82 94 96 105 171 175 177 182 181 185 180 183 186 1103 1-1.05 1-1.02 1-1.07 1-1.04 1-1.09 1-1.01 1-1.05 1-1.07 146 150 154 159 159 163 160 163 178 33 38 49 58 69 78 89 91 99 176 179 182 186 187 190

NUMBER OF PATIENTS AND PERCENT OCCUPANCY BASED ON 22 HOSPITALS SURVEYED.

TABLE V

DATA ON NURSING PERSONNEL WITH A NURSING STAFF WORKING A 40-HOUR WORKWEEK BASED ON TABLE 1-A

HOSPITAL SIZES										
No. BEDS	25	30	40	50	60	70	70			
NO. PATIENTS!	16	20	28	36	44	70 52	75	80	90	100
NO. BASSINETS	11	12	13	15	17		56	60	68	76
No. NEWBORN	5	6	7	9		19	20	21	22	24
	36	42	53		10	11	12	13	14	<u> 16</u>
NO. BEDS & BASSINETS				65	77	89	95	101	112	124
NO. PATIENTS INCL. NEWBORN	21	26	35	45	54	63	68	73	82	92
PERCENT TOTAL PERSONNEL	60									
ASSIGNED TO NURSING	60	60	60	59	61	61	60	59	.60	60
TOTAL		•								
NUMBER NURSING PERSONNEL	21	24	31	36	45	50	56	57	63	70
PROFESSIONAL ²	11	13	17	20	25	28	31	31	35	39
NON-PROFESSIONAL ³	10	11	14	16	20	22	2.5	26	28	31
PERCENT NURSING PERSONNEL										
PROFESSIONAL	52	54	55	56	56	56	55	54	56	56
NON-PROFESSIONAL	48	46	45	44	44	44	45	46	44	44
ANALYSIS BY ASSIGNMENT										
NUMBER NURSING PERSONNEL										
TOTAL	21	24	31	36	45	50	56	57	63	70
ADMINSUPRHEAD NURSES	1	1	2	2	3	4	4	4	5	5
Non-Bedside Units	2	2.	3	3	4	4	5	5	5	6
BEDSIDE CARE	18	21	26	31	38	42	47	48	53	59
PERCENT NURSING PERSONNEL										
ADMIN SUPR HEAD NURSES	5	4	6	6	7	8	7	. 7	8	7
NON-BEDSIDE UNITS	10	8	10	8	9	8	Ð	9	8	9
BEDSIDE CARE	85	88	84	86	84	84	84	84	84	84
										 -
RATIO NURSING PERSONNEL										
TO BEDS										
TOTAL	1.1 10			1-1.39	t - t - no	4.4.46				1.4.49
	1-1.19	1-1.25	1 1 29	1 1 35	1-1.33	1.40	1-1.34	1 - 1 - 40	1-1.43	1.1.43
ADMIN SUPR HEAD NURSE	1-25	1 • 1 . 25	1-1.29	1-25	1-20	1-17.5	1-1.34	1-1.40	1-1.43	1.20
						1-17.5	*****			1-20
ADMINSUPRHEAD NURSE	1-25	1-30	1-20	1-25	1-20 1-15	1-17.5 1-17.5	1 - 18 - 8 1 - 15	1 · 20 1 · 16	1-18	1 · 20 1 · 16 · 7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS	1-25 1-12.5	1-30 1-15	1-20	1-25 1-16.7	1-20	1-17.5	1-18.8	1 · 20	1-18	1-20
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS	1-25 1-12.5	1-30 1-15	1-20	1-25 1-16.7	1-20 1-15	1-17.5 1-17.5	1 - 18 - 8 1 - 15	1 · 20 1 · 16	1-18	1 · 20 1 · 16 · 7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL	1-25 1-12.5	1-30 1-15	1-20	1-25 1-16.7	1-20 1-15	1-17.5 1-17.5	1 - 18 - 8 1 - 15	1 · 20 1 · 16	1-18	1 · 20 1 · 16 · 7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE	1-25 1-12.5	1-30 1-15	1-20 1-13.3 1-1.54	1-25 1-16.7 1-1.61	1-20 1-15 1-1.58	1-17.5 1-17.5 1-1.67	1-18.8 1-15 1-1.60	1·20 1·16 1·1.67	1-18 1-18 1-1.70	1-20 1-16.7 1-1.69
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS	1-25 1-12.5 1-1.39	1-30 1-15 1-1.43	1-20 1-13.3 1-1.54	1-25 1-16.7 1-1.61	1-20 1-15 1-1.58	1-17.5 1-17.5 1-1.67	1-18.8 1-15 1-1.60	1·20 1·16 1·1.67	1-18 1-18 1-1.70	1-20 1-16.7 1-1.69
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL	1-25 1-12.5 1-1.39 1-1.71 1-36	1-30 1-15 1-1.43 1-1.75 1-42	1-20 1-13.3 1-1.54 1-1.71 1-26.5	1-25 1-16.7 1-1.61 1-1.81 1-32.5	1-20 1-15 1-1.58 1-1.71 1-25.6	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3	1-18.8 1-15 1-1.60 1-1.70 1-23.8	1·20 1·16 1·1.67 1·1.77 1·25.3	1-18 1-18 1-1.70 1-1.78 1-22.4	1-20 1-16.7 1-1.69 1-1.77 1-24.8
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18	1-30 1-15 1-1.43 1-1.75 1-42 1-21	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4	1-20 1-16.7 1-1.69 1-1.77 1-24.8 1-20.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE	1-25 1-12.5 1-1.39 1-1.71 1-36	1-30 1-15 1-1.43 1-1.75 1-42	1-20 1-13.3 1-1.54 1-1.71 1-26.5	1-25 1-16.7 1-1.61 1-1.81 1-32.5	1-20 1-15 1-1.58 1-1.71 1-25.6	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0	1·20 1·16 1·1.67 1·1.77 1·25.3	1-18 1-18 1-1.70 1-1.78 1-22.4	1-20 1-16.7 1-1.69 1-1.77 1-24.8
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18	1-30 1-15 1-1.43 1-1.75 1-42 1-21	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4	1-20 1-16.7 1-1.69 1-1.77 1-24.8 1-20.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18	1-30 1-15 1-1.43 1-1.75 1-42 1-21	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4	1-20 1-16.7 1-1.69 1-1.77 1-24.8 1-20.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03	1-17.5 1-1.67 1-1.78 1-22.3 1-22.3 1-2.12	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2 1·2.10	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3 1-2.12	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2 1·2.10	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.1	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3 1-2.12	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02	1·20 1·16 1·1.67 1·1.77 1·25.3 1·20.2 1·2.10	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4 1-2.11	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS	1-25 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14 1-9.3	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-18	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11	1-17.5 1-1.67 1-1.76 1-22.3 1-22.3 1-2.12 1-1.04 1-13 1-13	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-14	1 · 20 1 · 16 1 · 1 · 67 1 · 1 · 67 1 · 25 · 3 1 · 20 · 2 1 · 2 · 10 1 · 1 · 05 1 · 1 · 15 1 · 12	1-18 1-18 1-1.70 1-1.78 1-2.4 1-2.4 1-2.11	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-12.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03	1-17.5 1-17.5 1-1.67 1-1.78 1-22.3 1-22.3 1-2.12	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02	1 · 20 1 · 16 1 · 1 · 67 1 · 1 · 67 1 · 25 · 3 1 · 20 · 2 1 · 2 · 10 1 · 1 · 05 1 · 1 · 15 1 · 12	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.1 1-1.08 1-13.6	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE	1-25 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14 1-9.3	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-18	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11	1-17.5 1-1.67 1-1.76 1-22.3 1-22.3 1-2.12 1-1.04 1-13 1-13	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-14	1 · 20 1 · 16 1 · 1 · 67 1 · 1 · 67 1 · 25 · 3 1 · 20 · 2 1 · 2 · 10 1 · 1 · 05 1 · 1 · 15 1 · 12	1-18 1-18 1-1.70 1-1.78 1-2.4 1-2.4 1-2.11	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-12.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE	1-25 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 1-21 1-2	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14 1-9.3	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-18	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11	1-17.5 1-1.67 1-1.76 1-22.3 1-22.3 1-2.12 1-1.04 1-13 1-13	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-14	1 · 20 1 · 16 1 · 1 · 67 1 · 1 · 67 1 · 25 · 3 1 · 20 · 2 1 · 2 · 10 1 · 1 · 05 1 · 1 · 15 1 · 12	1-18 1-18 1-1.70 1-1.78 1-2.4 1-2.4 1-2.11	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-12.7
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS INCLUDING NEWBORN	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8 189	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 1-83 1-20 1-10 1-95	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 190 1-14 1-9.3 1-1.08	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-18 1-18 1-18	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11 1-1.16	1-17.5 1-1.76 1-1.76 1-22.3 1-22.3 1-212 1-1.04 1-13 1-1.24	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-11.2 1-1.19	1.20 1-16 1-1.67 1.1,77 1.25.3 1-20.2 1.2.10 1-1.05 1-15 1-12	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4 1-2.11 1-1.08 1-13.6 1-13.6 1-13.6	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-12.7 1-1.29
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS INCLUDING NEWBORN TOTAL	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8 189	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 183 1-20 1-10 195	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14 1-9.3 1-1.08	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-12 1-1.16	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11 1-1.16	1-17.5 1-17.5 1-1.67 1-1.76 1-22.3 1-22.3 1-2.12 1-1.04 1-13 1-1.24	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-11.2 1-1.19	1 · 20 1 · 16 1 · 1 · 67 1 · 1 · 77 1 · 25 · 3 1 · 20 · 2 1 · 2 · 10 1 · 1 · 05 1 · 15 1 · 12 1 · 1 · 25	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4 1-2.11 1-1.08 1-13.6 1-13.6 1-13.6	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-1.29
ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO BEDS AND BASSINETS TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN TOTAL ADMINSUPRHEAD NURSE NON-BEDSIDE UNITS BEDSIDE CARE RATIO NURSING PERSONNEL TO PATIENTS INCLUDING NEWBORN	1-25 1-12.5 1-1.39 1-1.71 1-36 1-18 1-2 176 1-16 1-8 189	1-30 1-15 1-1.43 1-1.75 1-42 1-21 1-2 1-83 1-20 1-10 1-95	1-20 1-13.3 1-1.54 1-1.71 1-26.5 1-17.7 1-2.04 1-90 1-14 1-9.3 1-1.08	1-25 1-16.7 1-1.61 1-1.81 1-32.5 1-21.7 1-2.10 1-1 1-18 1-18 1-18 1-18	1-20 1-15 1-1.58 1-1.71 1-25.6 1-19.3 1-2.03 198 1-14.7 1-11 1-1.16	1-17.5 1-17.5 1-1.67 1-1.76 1-22.3 1-22.3 1-22.12 1-1.04 1-13 1-1.24 1-1.24	1-18.8 1-15 1-1.60 1-1.70 1-23.8 1-19.0 1-2.02 1-1 1-14 1-11.2 1-1.19	1.20 1.16 1.1.67 1.1.77 1.25.3 1.20.2 1.2.10 1.1.05 1.1.5 1.1.2 1.1.25	1-18 1-18 1-1.70 1-1.78 1-22.4 1-22.4 1-2.11 1-1.08 1-13.6 1-13.6 1-13.6	1-1.77 1-1.77 1-24.8 1-20.7 1-2.10 1-1.09 1-15.2 1-12.7 1-1.29

NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 ROSPITALS STUDIED.

BEOSIDE CARE

1-1.17 1-1.24 1-1.35 1-1.45 1-1.42 1-1.50 1-1.45 1-1.52

²PROFESSIONAL NURSES - GRADUATE NURSES (R.N'S)

Mon-Professional nursing personnel . Includes practical nurses, nurses, aides and orderlies.

TABLE VI DATA ON NURSING PERSONNEL WITH A NURSING STAFF WORKING A 44-HOUR WORKWEEK BASED ON TABLE II-A

HOSPITAL SIZES NO. BEDS 25 30 40 50 70 100 60 75 80 90 NO. PATIENTS 16 20 28 36 44 52 56 60 68 76 NO. BASSINETS 11 12 13 15 17 19 20 21 22 24 NO. NEWBORN 5 6 9 10 11 12 13 14 16 NO. BEDS & BASSINETS 36 42. 53 65 77 89 95 101 124 112 NO. PATIENTS INCL. NEWBORN 21 26 35 45 54 63 68 73 82 92 PERCENT TOTAL PERSONNEL ASSIGNED TO NURSING 57.6 57.9 57.1 56.9 58.0 59.0 57.3 57.1 57.6 58.2 TOTAL NUMBER NURSING PERSONNEL 19 22 28 33 40 51 46 57 52 64 PROFESSIONAL 10 12 16 18 23 26 28 29 32 36 NON-PROFESSIONAL 9 10 12 15 17 20 23 23 25 28 PERCENT NURSING PERSONNEL BY PROFESSIONAL 52.6 54.5 57 1 54.5 57.5 56 - 5 54.9 55.8 56.1 56.2 NON-PROFESSIONAL 47.4 45.5 42.9 45.5 42.5 43.5 45.1 44.2 43.9 43.8 MALYSIS BY ASSIGNMENT IUMBER NURSING PERSONNEL TOTAL 19 22 28 33 40 46 51 52 57 64 ADMIN' - SUPR . - HEAD NURSE 1 ī 2 2 3 4 4 4 5 5 NON-BEDSIDE UNITS 2 2 3 3 4 4 5 5 5 6 BEDSIDE CARE 16 19 23 28 33 38 42 43 47 53 ERCENT NURSING PERSONNEL ADMIN. - SUPR. - HEAD NURSE 5.3 4.5 7.1 6.0 7.5 8.7 7.8 7.7 8.8 7.8 NON-BEDSIDE UNITS 10.5 9.0 10.7 8.7 9.0 10.0 9.8 9.6 8.8 9.4 BEDSIDE CARE 84.2 86.5 82.2 85.0 82.5 82.6 82.4 82.7 82.4 82.8 ATIO NURSING PERSONNEL TO BEDS DTAL 1-1.32 1 - 1 . 36 1-1.43 1-1.52 1-1.50 1-1.52 1-1.54 1 - 1 . 47 1-1.58 1-1.56 ADMIN. - SUPR. - HEAD NURSE 1-25 1 - 30 1.20 1.25 1-20 1-17.5 1-18.8 1-20 1-18 1-20 NON-BEDSIDE UNITS 1.12.5 1 - 15 1-13.3 1-16.7 1-15 1-17.5 1-15 1-16 1-18 1-16.7 BEDSIDE CARE 1-1.56 1 - 1 - 58 1-1.74 1-1.82 1-1.79 1-1.84 1-1.79 1-1.86 1-1.91 1-1.89 ATIO NURSING PERSONNEL TO BEOS AND BASSINETS OTAL 1.1.89 1 - 1.911-1.89 1-1.97 1-1.93 1-1.93 1 - 1 - 86 1-1.94 1-1.96 ADMIN . SUPR. HEAD NURSE 1-36 1:42 1 - 26 - 5 1.32.5 1-25.7 - 1-22.3 1-23.8 1-25.3 1-22.4 1-24.8 NON - BEDSIDE UNITS 1-18 1-21 1-17.7 1-21.7 1-19.3 1-22.3 1-19 1.20.2 1-22.4 1 20.7 BEDSIDE CARE 1.2.3 1-2.2 1.2.3 1.2.3 1.2.3 1-2.3 1-2.3 1-2.35 1-2.4 1-2.3 ATIO NURSING PERSONNEL TO PATIENTS EXCLUDING NEWBORN JATC 1 - . 84 1 - . 91 1-1 1-1.09 1-1.10 1-1.13 1-1.10 1-1,15 1-1.19 ADMIN . - SUPR . - HEAD NURSE 1-16 1-20 1.14 1.18 1-14.7 1-13 1-14 1-15 1-15.2 1-13.6 NON BEDSIDE UNITS 1.8 1-10 1-9.3 1-12 1-114 1-13 1-11.2 1-12 1-13-6 1-12.7 BEDSIDE CARE 1-1 1-1.05 1-1 29 1-1.37 1-1.33 1-1.40 1-1.45 1 1 43 ATIO NURSING PERSONNEL TO ATIENTS INCLUDING NEWBORN 1-1.18 1 - 1 . 25 1 1 36 1-1.35 1-1.37 1.1.33 1-1.40 1-1.44 1-1.44

1 - 26

1-13

1-1.37

1-21

1-10.5

1-1.31

ADMIN. SUPR. HEAD NURSE

NON-BEDSIDE UNITS

BEDSIDE CARE

1-17.5

1-11.7

1 1 52

1 22 5

1-15

1-1.61

1-18

1-13.5

1-1.64

1-15.8

1-15.8

1-1.66

1 - 17

1-13.6

1-1.62

1-18.3

1-14.6

1-1.70

1-18-4

1-15.3

1-1.74

1-16:4

1-16.4

1-1.74

NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALB STUDIED.

PROFESSIONAL NURSES - GRADUATE NURSES (R.N'S).

³ NON-PROFESSIONAL NURSING PERSONNEL - PRACTICAL NURSES, NURSES, AIDES, AND ORDERLIES,

TABLE VII DATA ON NURSING PERSONNEL WITH A NURSING STAFF WORKING A 48-HOUR WORKWEEK BASED ON TABLE | | | - A

HOSPITAL SIZES										
NO. BEDS	2.5	30	, 40	50	. 60	70	75	80	90	100
No. PATIENTS 1	16	20	28	36	44	52	56	60	68	76
NO. BASSINETS	11	12	13	15	17	19	20	21	22	24
NO. NEWBORN ¹	5	- 6	7	9`	10	11	12	13	14	16
No. BEDS & BASSINETS	36	42	53	65	77	89	95	101	112	124
NO. PATIENTS INCL. NEWBORN	21	26	35	45	54	63	68	73	B2	92
PERCENT TOTAL PERSONNEL										
ASSIGNED TO NURSING	56.3	55.6	55.3	54.5	56.1	56.8	55,3	55.2	55.8	55.8
TOTAL.							<u> </u>			
NUMBER NURSING PERSONNEL	18	20	26	30	37	42	47	48	53	58
PROFESSIONAL ²	10	11	15	17	21	24	26	27	30 ···	33
NON-PROFESSIONAL3	8	9	11	13	16	18	21	21	23	- 25
										
PERCENT NURSING PERSONNEL								*	HIDT	
PROFESSIONAL	55.6	55.0	57.7	56 - 7	56.8	57.1	55.3	56.3	:56.6	56.9
NON-PROFESSIONAL	44.4	45.0	42.3	43.3	43.2	42.9	44.7	43.7	43.4	43 1
					1775					
ANALYSIS BY ASSIGNMENT										
NUMBER NURSING PERSONNEL										
TOTAL	18	20	20	20	27	42	47	40	F2	FD
ADMIN-SUPR-HEAD NURSE	10		26	30	37	42	47	48	53	58
NON BEDSIDE UNITS	2		2	2	3	4	4	4		5
BEDSIDE CARE	15	<u>2</u> 17	<u>3</u> 21	3	. 4	4	5	5	5	6
DEPOINE CARE	פו		21	25	30	34	38	39	43	47
Denocus Muserus Denocuset										
PERCENT NURSING PERSONNEL										
ADMIN-SUPR-HEAD NURSE	5.6	5.0	7.7	6.7	8.1	9.5	8,5	8.3	9.4	
NON BEDSIDE UNITS	11.1	10.0	11.5	10,0	10.8	9.5	10.6	10.4	9.4	10.4
BEDSIDE CARE	83.3	85,0	80.8	83.3	81.1	81.0	80.9	81,3	81.2	81.0
Darto Munetus Deneaulet To Osna										
RATIO NURSING PERSONNEL TO BEDS										
TOTAL	1-1.39		1 1 54	1-1.67	1-1.62	1 • 1 . 67	1 • 1,60	1-1.67	1-1.70	1-1.72
ADMIN-SUPR-HEAD NURSE	1-25	1.30	1-20	1 • 25	1-20	1-17.5	1-18.8	1-20	1 • 18	i · 20
NON BEDSIDE UNITS	1-12.5	1-15	1-13.3	1.16.7	1.15	1-17-5	1-15	1.16	1-18	1.16.7
BEDSIDE CARE	1 • 1 • 67	1 • 1 • 76	1-1.90	1.2	1.2	1-2.06	1-1.97	1-2.05	1-2.09	1.2.13
RATIO NURSING PERSONNEL TO										
BEDS AND BASSINETS										
TOTAL	1 - 2	1-2.10	1-2.04	1.2,17	1.2.08	1-2.12	1-2.02	1-2.10	1-2.11	1-2,14
ADMIN-SUPR-HEAD NURSE	1 - 36	1-42	1.26.5	1.32.5	1.25.7	1.22.3	1-23.8	1-25.3	1-22.4	1.24.8
NON BEDSIDE UNITS	1 • 18	1.21	1-17.7	1-21.7	1-19.3	1-22.3.	1-19	1-20.2	1-22.4	1.20.7
BEDSIDE CARE	1-2.40	1-2.47	1 - 2 - 52	1.2.60	1-2.57	1-2.62	1-2.50	1-2.59	1-2.60	1.2.64

RATIO NURSING PERSONNEL TO	**				,					
PATIENTS EXCLUDING NEWBORN									1	* •
TOTAL	1 89	1-1	1-1.08	1-1.20	1-1.19	1-1,24	1-1.19	1-1.25	[· 1.28	1-1-31
ADMIN-SUPR-HEAD NURSE	1-16	1-20	1-14	1-18	1-14.7	1.13	1-14	1-15	1-13.6	1.15.2
NON BEDSIDE UNITS	1-8	1-10	1-9.3	1-12	1-11,	1.13	1-11.2	1-12	1-13.6	
BEDSIDE CARE	1-1.07	1+1.18	1.1.33	1-1-44	1-1.47	1-1.53	1-1-47	1-1-54		1-1.62
RATIO PERSONNEL TO PATIENTS				٠.					,.	
INCLUDING NEWBORN										
TOTAL	1-1 17	1-1 30	1.1 25	1-1.50	1 - 1 - 46	1-1-50	1 - 1 - 4 =	1-1 52	1 • 1 • 55	1.1 50
ADMIN-SUPR-HEAD NURSE	1-1.17	1-26					1-17		•	1 18.4
NON BEDSIDE CARE				1-22.5		1-15.8		1-18.3		
BEDSIDE CARE	···	1-13		1-15	1-13.5	1-15.8		1-14-6	1-16-4	1 15.3
DEDSIDE CARE	1-1-40	1-1.53	1-1-67	1-1.80	1-1.80	1-1.85	1-1.79	1-1.87	1-1.91	1-1.96
									1.1	1

NUMBER OF BASSINETS AND NUMBER OF PATIENTS BASED ON 22 HOSPITALS STUDIED.

PROFESSIONAL NURSES- GRADUATE NURSES (R.N'S).

³ NON-PROFESSIONAL NURSING PERSONNEL - PRACTICAL NURSES, NURSES' AIDES, AND ORDERLIES.

TABLE VIII

DATA ON NURSING CARE AND NURSING SERVICE FOR A :24-HOUR PERIOD WITH THE BEDSIDE NURSING PERSONNEL AVAILABLE FOR ONE 24-HOUR PERIOD BASED ON TABLES 1-A. 11-A. 111-A

HOSPITAL SIZES										
No. Beds	25	30	40	50	60	70	75	80	90	100
NO. BASSINETS	11	12	13	15	17	19	20	21	22	24
TOTAL BEDS & BASSINETS	36	42	53	65	77	89	95	101	112	124
NO. PATIENTS!	16	20	28	36	44	52	56	60	68	76
NO. NEWBORN	5	6	7	9	10	11	12	13	14	
TOTAL PATIENTS INCL.					10		16	13	1 44	16
NEW BORN	21	26	35	4=	E 2	63	50	72	0.2	00
HERBORN		20	33	45	52	63	68	73	82	92
BEDSIDE NURSING PERSONNEL										
NUMBER										
TOTAL - 24 HOURS	12	14	17	21	25	28	31	32	35	39
ASSIGNED A.M. SHIFT	6	7	9	11	13	14	16	16	18	19
ASSIGNED P.M. SHIFT	3	4	5	6	7	8	9	10	10	12
ASSIGNED NIGHT SHIFT	3	3	3	4	5	6	6	6	7	8
PERCENT BEDSIDE NURSING PERSONNEL ASSIGNED A.M. SHIFT	50.0	50.0	52.9	52.4	52.0	50.0	51.6	50.0	51.4	40.7
ASSIGNED P.M. SHIFT	25.0	28.5	29.4	28.6	28.0	28.6	29.0	31.2	28.6	30.8
ASSIGNED NIGHT SHIFT	25.0	21.5	17.7	19.0	20.0	21.4	19.4	18.8	20.0	20.5
RATIO BEDSIDE NURSING PERSONNEL TO:						7717				
BEDS & BASSINETS	1-3.00	1-3.00	1.3.12	1-3.10	1-3.08	1 - 3 . 18	1 3 06	1.3.16	1-3.20	1-3.18
PATIENTS INCL. NEWBORN	1-1.75	1-1.86	1-2.06	1 2 14	1.2.08	1-2.25	1-2.19	1-2.28	1-2.34	1-2.36
AVERAGE HOURS OF BEDSIDE CARE PER PATIENT INCL. NEWBORN INFANTS ² TOTAL 24 HOURS A.M. SHIFT	4.57 2.29	4.30 2.15	3.89 2.06	3.73 1.95	3.85 2.00	3.56 1.78	3.65	3.51 1.75	3.42	3.39 1.65
P.M. SRIFT	1.14	1.23	1.14	1.07	1.08					
P.M. SHIFT NIGHT SHIFT	1.14	1.23 .92	1 · 1 4 · 69			1.02	1.06	1.10 .66	. 98 . 68	1.04
NIGHT SKIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS	1.14 G PERSONN	.92 EL (PROFI	.69 ESSIONAL	1.07 .71 3 AND NOW	1.08 .77 -PROFESS	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE	.98 .68 RIODS OF	1.04 .70 THE DAY
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL	1.14 G PERSONN 7	.92 EL (PROFI 8	.69 ESSIONAL	1.07 .71 3 AND NOW	1.08 .77 -PROFESS	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE	.98 .68 RIODS OF	1.04 .70 THE DAY
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL	1.14 G PERSONN	.92 EL (PROFI	.69 ESSIONAL	1.07 .71 3 AND NOW	1.08 .77 -PROFESS	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE	.98 .68 RIODS OF	1.04 .70 THE DAY
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.MSHIFT	1.14 G PERSONN 7 5	. 92 EL. (PROFE 8 6	.69 ESSIONAL ³ 10 7	1.07 .71 3 AND NON	1.08 · .77 - PROFESS	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE 16	. 98 . 68 RIODS OF	1.04 .70 THE DAY
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.MSHIFT PROFESSIONAL	1.14 G PERSONN 7 5	. 92 EL (PROFI 8 6	.69 ESSIONAL ^S 10 7	1.07 .71 3 AND NON	1.08 · .77 - PROFESS 14 11 7	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE 16 16	. 98 . 68 RIODS OF 18 17	1.04 .70 THE DAY 20 19
NIGHT SKIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.MSHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT	1.14 G PERSONN 7 5 3	. 92 EL (PROFE 8 6 4 3	.69 ESSIONAL ³ 10 7 5	1.07 .71 3 AND NON	1.08 · .77 - PROFESS	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE 16	. 98 . 68 RIODS OF	1.04 .70 THE DAY
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL P.M. SHIFT PROFESSIONAL	1.14 G PERSONN 7 5 3 3	. 92 EL (PROFE 8 6 4 3	.69 ESSIONAL ³ 10 7 5 4	1.07 .71 3 AND NOW 11 10 6 5	1.08 .77 -PROFESS 14 .11 .7 .6	1.02 .76 IONAL DU	1.06 .71 RING THE	1.10 .66 THREE PE 16 16	. 98 . 68 RIODS OF 18 17	1.04 .70 THE DAY 20 19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL	1.14 G PERSONN 7 5 3	. 92 EL (PROFE 8 6 4 3	.69 ESSIONAL ³ 10 7 5	1.07 .71 3 AND NOW 11 10 6	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7	1.06 .71 RING THE 16 15 8	1.10 .66 THREE PE 16 16 8	. 98 . 68 RIODS OF 18 17 9	1.04 .70 THE DAY 20 19 10
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NIGHT SHIFT	1.14 G PERSONN 7 5 3 3	. 92 EL (PROFE 8 6 4 3	.69 ESSIONAL ³ 10 7 5 4	1.07 .71 3 AND NOW 11 10 6 5	1.08 .77 -PROFESS 14 .11 .7 .6	1.02 .76 IONAL DU 14 .14 .7 .7	1.06 .71 RING THE 16 .15 .8 .8	1.10 .66 THREE PE 16 16 8 8	. 98 . 68 RIODS OF 18 . 17 . 9 . 9	1.04 .70 THE DAY 20 .19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NIGHT SHIFT PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1	. 92 EL (PROFE 8 6 4 3 2 2	.69 ESSIONAL 10 7 5 4 3 2	1.07 .71 3 AND NON 11 10 6 5 3	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4	1.06 .71 RING THE 16 .15 .8 .8 .4 .3	1.10 .66 THREE PE 16 16 8 8 5	. 98 .68 RIODS OF 18 17 9 9	1.04 .70 THE DAY 20 .19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NIGHT SHIFT	1.14 G PERSONN 7 5 3 3	. 92 EL (PROFE 8 6 4 3	.69 ESSIONAL ³ 10 7 5 4 3 2	1.07 .71 3 AND NON 11 10 6 5	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 14 .7 .7 .7 .4	1.06 .71 RING THE 16 .15 .8 .8 .4	1.10 .66 THREE PE 16 16 8 8	. 98 .68 RIODS OF 18 17 9 9	1.04 .70 THE DAY 20 .19 .10 .9 .6 .6
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1	. 92 EL (PROFE 8 6 4 3 2 2	.69 ESSIONAL 10 7 5 4 3 2	1.07 .71 3 AND NON 11 10 6 5 3	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4	1.06 .71 RING THE 16 .15 .8 .8 .4 .3	1.10 .66 THREE PE 16 16 8 8 5	. 98 .68 RIODS OF 18 17 9 9	1.04 -70 THE DAY 20 -19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL NURSING PERSONNEL TOTAL 24 HOURS PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1 2	. 92 EL (PROFE 8 6 4 3 2 2 1	.69 ESSIONAL 10 7 5 4 3 2	1.07 .71 3 AND NON 11 10 6 5 3	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4	1.06 .71 RING THE 16 .15 .8 .8 .4 .3	1.10 .66 THREE PE 16 16 8 8 5	. 98 .68 RIODS OF 18 17 9 9	1.04 -70 THE DAY 20 -19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1	. 92 EL (PROFE 8 6 4 3 2 2 1	.69 ESSIONAL 10 7 5 4 3 2	1.07 .71 3 AND NON 11 10 6 5 3 3	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3	1.06 .71 RING THE 16 .15 .8 .8 .4 .3 .3	1.10 .66 THREE PE 16 16 8 8 5 5	.98 .68 RIODS OF 18 17 9 9 5 5 4 3	1.04 -70 THE DAY 20 -19
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL NURSING PERSONNEL TOTAL 24 HOURS PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1 2	. 92 EL (PROFE 8 6 4 3 2 2 1	.69 ESSIONAL 10 7 5 4 3 2 2 1	1.07 .71 3 AND NON 11 10 6 5 3 3 2 2	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3	1.06 .71 RING THE 16 15 8 8 5 4 3	1.10 .66 THREE PE 16 16 8 8 5 5 3	.98 .68 RIODS OF 18 17 9 9 5 5 4 3	1.04 -70 THE DAY 20 -19 -10 -9 -6 -6 -4 -4
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1 2	. 92 EL (PROFE 8 6 4 3 2 2 1	.69 ESSIONAL 10 7 5 4 3 2 2 1	1.07 .71 3 AND NON 11 10 6 5 3 3 2 2	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3	1.06 .71 RING THE 16 15 8 8 5 4 3	1.10 .66 THREE PE 16 16 8 8 5 5 3	.98 .68 RIODS OF 18 17 9 9 5 5 4 3	1.04 -70 THE DAY 20 -19 -10 -9 -6 -6 -4 -4
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1 2 1	.92 EL (PROFE 8 6 4 3 2 2 1 57.1 42.9	.69 ESSIONAL 10 7 5 4 3 2 1	1.07 .71 3 AND NON 11 10 6 5 3 2 2 2	1.08 77 -PROFESS 14 	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3	1.06 .71 RING THE 16 .15 .8 .8 .5 .4 .3 .3 .3	1.10 66 THREE PE 16 16 8 8 5 5 3 3	. 98 .68 RIODS OF 	1.04 .70 THE DAY 20 19 10 9 6 6 4 4 4 4 51.3 48.7
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT	1.14 G PERSONN 7 5 3 3 2 1 2 1 58.3 41.7 50.0	.92 EL (PROFE 8 6 4 3 2 2 1 57.1 42.9	.69 ESSIONAL 10 7 5 4 3 2 2 1 58.8 41.2 55.6 44.4	1.07 .71 3 AND NON 11 10 6 5 3 3 2 2 2 2	1.08 77 -PROFESS 14 .11 .7 .6 .4 .3 .2 .56.0 .44.0 .53.8 .46.2	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3 .3	1.06 .71 RING THE 16 .15 .8 .8 .5 .4 .3 .3 .3 .51.6 .48.4 .50.0 .50.0	1.10 .66 THREE PE 16 16 8 8 5 5 3 3	. 98 .68 RIODS OF 18 17 9 9 5 5 4 3	1.04 .70 THE DAY 20 19 10 9 6 6 4 4 4 4 51.3 48.7 52.6 47.4
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL P.M. SHIFT PROFESSIONAL	1.14 G PERSONN 7 5 3 3 2 1 2 1 58.3 41.7 50.0 50.0	.92 EL (PROFE 8 6 4 3 2 2 1 57.1 42.9 57.1 42.9 50.0	.69 ESSIONAL 10 7 5 4 3 2 2 1 58.8 41.2 55.6 44.4 60.0	1.07 .71 3 AND NON 11 10 6 5 3 3 2 2 2 2 2 52.4 47.6 54.5 45.5	1.08 77 -PROFESS 14 .11 .7 .6 .4 .3 .2 .56.0 .44.0 .53.8 .46.2 .57.1	1.02 .76 IONAL DU 14 14 .7 .7 .7 .4 .4 .3 .3 .3 .50.0 .50.0 .50.0	1.06 .71 RING THE 16 .15 .8 .8 .5 .4 .3 .3 .51.6 .48.4 .50.0 .50.0 .55.6	1.10 .66 THREE PE 16 16 8 8 8 5 5 3 3	.98 .68 RIODS OF 18 .17 .9 .9 .5 .5 .4 .3 .51.4 .48.6 .50.0 .50.0	1.04 .70 THE DAY 20 .19 .10 .9 .6 .6 .4 .4 .4 .4 .51.3 .48.7 .52.6 .47.4 .50.0
NIGHT SHIFT DISTRIBUTION OF BEDSIDE NURSIN NUMBER OF PERSONS TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL PERCENT OF CARE BY PROFESSIONAL AND NON-PROFESSIONAL TOTAL 24 HOURS PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL A.M. SHIFT PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL NON-PROFESSIONAL P.M. SHIFT	1.14 G PERSONN 7 5 3 3 2 1 2 1 58.3 41.7 50.0	.92 EL (PROFE 8 6 4 3 2 2 1 57.1 42.9	.69 ESSIONAL 10 7 5 4 3 2 2 1 58.8 41.2 55.6 44.4	1.07 .71 3 AND NON 11 10 6 5 3 3 2 2 2 2	1.08 77 -PROFESS 14 .11 .7 .6 .4 .3 .2 .56.0 .44.0 .53.8 .46.2	1.02 .76 IONAL DU 14 .14 .7 .7 .7 .4 .4 .3 .3 .3	1.06 .71 RING THE 16 .15 .8 .8 .5 .4 .3 .3 .3 .51.6 .48.4 .50.0 .50.0	1.10 .66 THREE PE 16 16 8 8 5 5 3 3	.98 .68 RIODS OF 18 .17 .9 .9 .5 .5 .4 .3 .51.4 .48.6 .50.0 .50.0	1.04 .70 THE DAY 20 19 10 9 6 6 4 4 4 4 51.3 48.7 52.6 47.4

66.7

33.3

66.7

33.3

33.3 50.0

66.7

PROFESSIONAL

NON-PROFESSIONAL

50.0

60.0

40.0

50.0

50.0

50.0

50,0

50.0

Number of Bassinets & Number of Patients Based on 22 Hospitals Studied.
Hours of Care includes Direct Patient Care and Nursing Service (Based on Total Bedside Personnel).

PROFESSIONAL NURSES-GRADUATE NURSES (R.N'S).

MON-PROFESSIONAL NURSING PERSONNEL-INCLUDES PRACTICAL NURSES. NURSES' AIDES AND ORDERLIES.

